

Food Microbiology and Food Market

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Food contamination and how to prevent

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Food contamination is a public health issue. Contamination is when something unpleasant or harmful ends up in food, and this can happen in one of three ways: physical, chemical and biological contamination. Cross-contamination happens when harmful bacteria from one food or kitchen surface, equipment, or hands is transferred to another food. It is especially dangerous if spread on to ready-to-eat food that won't undergo any further treatment (such as cooking) that would usually kill the bacteria and make the food safe. Meat

and poultry may become contaminated during slaughter by small amounts of intestinal contents. Fresh fruits and vegetables can be contaminated if they are washed with water that is contaminated by animal manure or human sewage. At the household level, food contamination can be prevented if the person assigned in the family to handle food adopts hygienic practices. One should be mindful and use safe water and raw materials in either cooking or consuming food. Food-borne diseases are infections of the gastrointestinal tract. These happen when one consumes food or beverages contaminated with harmful bacteria, viruses, parasites, and chemicals.

Biography

Rania Abdelmonem Mostafa Khattab has completed her Ph.D. in 2012 from Faculty of Pharmacy, Cairo University, Egypt, Microbiology and Immunology Department. She is an Assistant Professor at Microbiology and Immunology Department, Faculty of Pharmacy, Cairo University, Egypt. She has got Cairo University International Publication Award, Egypt in 2013, 2016 and 2017. She has many teaching experiences for both undergraduate and postgraduate courses e.g. basic microbiology and immunology, pharmaceutical microbiology, quality control of herbal drugs, public health, infection control, and biotechnology. She has attended many workshops and many conferences with a poster presentation in the Global Biotechnology Congress, Boston, MA, the USA in June 2014 and 3rd Global Microbiologists Annual Meeting, Portland, Oregon, USA, 15-17 August 2016. And oral presentation in Clinical Trials Conference, Orlando, Florida, July 2015 and 14th World Pediatrics and Neonatal Healthcare Conference, Los Angeles, California, USA, 11-12 September 2017. She published many papers in International Journals

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